

**COMMONWEALTH OF MASSACHUSETTS  
DEPARTMENT OF TELECOMMUNICATIONS AND ENERGY**

FOURTH SET OF INFORMATION REQUESTS OF  
THE DEPARTMENT OF TELECOMMUNICATIONS AND ENERGY TO  
NSTAR ELECTRIC, D.T.E. 03-121

Pursuant to 220 C.M.R. 1.06(6)(c), the Department of Telecommunications and Energy ("Department") hereby submits to Boston Edison Company, Cambridge Electric Light Company and Commonwealth Electric Company the following information requests with respect to the above captioned matter.

**Instructions**

The following instructions apply to this set of information requests and all subsequent information requests issued by the Department to Boston Edison Company in this proceeding.

1. "NSTAR Electric" or "Companies" means Boston Edison Company, Cambridge Electric Light Company and Commonwealth Electric Company, their officers, directors, employees, consultants, and attorneys.
2. "Companies' Filing" or "Filing" means all the documents NSTAR Electric filed in this proceeding.
3. Each request should be answered in writing on a separate page with a recitation of the request, and with a reference to the request number, the docket number of the case, and the name of the person responsible for the answer. Please submit all responses on three-hole punched paper.
4. Please do not wait for all answers to be completed before supplying answers, but instead please provide the answers as they are completed.
5. These requests shall be deemed continuing so as to require further supplemental responses if the Company or its witnesses receives or generates additional information within the scope of these requests between the time of the original response and the close of the record in this proceeding.
6. The phrase "provide complete and detailed documentation" means provide all data, assumptions, and calculations on which the response relies; provide the source of and basis for all data and assumptions employed; include all studies, reports, and planning documents from which data, estimates, or assumptions were drawn and support for how the data or assumptions were used in developing the projections or estimates; and provide and explain all supporting workpapers.

Fourth Set of Department Information Requests

7. The term "document" is used in its broadest sense and includes, without limitation, writings, drawings, graphs, charts, photographs, phono-records, microfilm, microfiche, computer printouts, correspondence, handwritten notes, records or reports, bills, checks, articles from journals or other sources, and other data compilations from which information can be obtained, and all copies of such documents that bear notations or other markings that differentiate such copies from the original.
8. If the Company finds that any of these requests is ambiguous, please notify the hearing officer so that the requests can be clarified prior to the preparation of a written response.
9. Please serve a copy of the responses on Mary Cottrell, Secretary of the Department. Please also submit the responses directly to: (1) William Stevens, Legal Division; (2) John Cope-Flanagan, Legal Division; (3) Jeff Hall, Rates and Revenue Requirements Division; (4) Claude Francisco, Rates and Revenue Requirements Division; (5) Sean Hanley, Rates and Revenue Requirements Division; and (6) Xuan Yu, Rates and Revenue Requirements Division.

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NSTAR ELECTRIC, D.T.E. 03-121

Pursuant to 220 C.M.R. § 1.06(6)(c), the Department of Telecommunications and Energy ("Department") hereby submits to NSTAR Electric the following information requests.

- DTE 4-01      Please provide a list of all customers currently taking service under Cambridge Electric Company's ("Cambridge") Power Purchase Rate P-1 (M.D.T.E. No. 260). For each customer listed, provide a copy of the QF Power Purchase Agreement, and all amendments thereto, entered into between Cambridge and the customer.
- DTE 4-02      Please provide a list of all customers currently taking service under Cambridge's Power Purchase Rate P-2 (M.D.T.E. No. 261). For each customer listed, provide a copy of the QF Power Purchase Agreement, and all amendments thereto, entered into between Cambridge and the customer
- DTE 4-03      Please provide a copy of Cambridge's:
- (a) Standards for Interconnection with Small Power Producers and Cogenerators referred to in the existing tariff for rate P-1; and
- (b) Standards for Interconnection with Qualifying Facilities or On-Site Generating Facilities for rate P-2.
- DTE 4-04      Please provide a list of all customers currently taking service under Cambridge's Standby Service Rate SB-1 (13.8 kV) (M.D.T.E. 237), Maintenance Service Rate MS-1 (13.8 kV) (M.D.T.E. 238), and Supplemental Service Rate SS-1 (13.8 kV) (M.D.T.E. 239).
- DTE 4-05      Refer to Exh. NSTAR-HCL-3. Please provide a copy of Exhibit CAM-HCL-3 (Pre-RAD Rates and Unbundled Rate Design) of Cambridge's reconciliation/true-up filings for years 1999 through 2003.
- DTE 4-06      Please provide the monthly non-coincident and coincident peak demand for Cambridge's rate classes G-2 and G-3 for years 1998 through 2003.
- DTE 4-07      Please provide with supporting data and calculations the annual load duration curves for Cambridge's rate classes G-2 and G-3 for years 1998 through 2003.

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- DTE 4-08 Please provide the number of customers taking service under Cambridge's rate classes G-2 and G-3 for years 1998 through 2003.
- DTE 4-09 Please list and explain the reasons why Cambridge's proposed standby rate SB-2 will be made available only to customers who qualify for service under Cambridge's existing rate G-2.
- DTE 4-10 Please list and explain the reasons why Cambridge's proposed standby rate SB-3 will be made available only to customers who qualify for service under Cambridge's existing rate G-3.
- DTE 4-11 Please list and describe each of the internal electric requirements used as a basis for determining a customer's eligibility for Cambridge's proposed standby rates SB-2 and SB-3.
- DTE 4-12 In reference to section 2 of the availability clauses for Cambridge's proposed standby rates SB-2 and SB-3, please list and explain the reasons why rates SB-2 and SB-3 will be made available only to a customer whose generating units have a combined nameplate rating of greater than 60 kW. Please indicate the required minimum kW nameplate rating, if any, for an individual generating unit in the customer's portfolio of generating units under these availability clauses.
- DTE 4-13 In reference to section 4 of the availability clause for Cambridge's proposed standby rates SB-2 and SB-3, please list and explain the reasons why these rates will be made available only to a customer who began satisfying all, or a portion of, its internal electric load requirements from its generation units after the effective date of the proposed tariffs.
- DTE 4-14 In reference to Cambridge's proposed method for determining the customer's "Contract Demand" for rates SB-2 and SB-3 please:
- a) list and explain the reasons why the Contract Demand is based on the generating capability or the expected output of the customer's generation units;
  - b) indicate whether the contract demand so determined will be on a monthly, seasonal or annual basis;

c) explain the reasons for the use of the period identified in b) above.

- DTE 4-15 In reference to Cambridge's proposed standby tariff rates SB-2, at 2 and 3, please describe with supporting calculations how the Company determined the proposed distribution charges of \$2.98 and \$3.95 per kilovolt-ampere.
- DTE 4-16 In reference to Cambridge's proposed standby tariff rates SB-2 and SB-3, at 2 and 3, please provide a version of each of the proposed tariffs indicating the charges per the "Applicable Rate Schedule" for standby delivery service and supplemental service charges.
- DTE 4-17 In reference to Cambridge's proposed standby tariffs for rate SB-2, at 3 and rate SB-3, at 3, please describe how the Company determined the 47 percent and 26 percent, respectively, of the maximum fifteen-minute demand used as a basis for determining the customer's demand to be used for billing supplemental delivery service.
- DTE 4-18 In reference to Cambridge's proposed standby tariffs for rates SB-2 and SB-3, at 5, please describe how the Company determined the 36 months prior written notice requirement from the customer in order to transfer to a non-firm standby service.
- DTE 4-19 Please provide a copy of Cambridge's most recently approved marginal transmission and distribution costs studies and identify the marginal transmission and distribution unit costs for rates G-2 and G-3 indicated in those studies.
- DTE 4-20 Please calculate the long-run marginal distribution and transmission costs of Cambridge's rates G-2 and G-3 based on Department precedent and using more recently available data. Provide all supporting data and schedules and described the method and all assumptions used.

Dated: February 20, 2004